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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

IN THE APPLICATION OF:
TIMOTHY CASPAR ET. AL.

#4

CASE NUMBER: BB1386 USPCT

APPLICATION NO: 10/019,633

GROUP ART UNIT: UNKNOWN

FILED: DECEMBER 27, 2001

EXAMINER: UNKNOWN

FOR: PURINE METABOLISM GENES IN PLANTS

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08. Also attached hereto is a copy of an International Search Report from a corresponding foreign application.

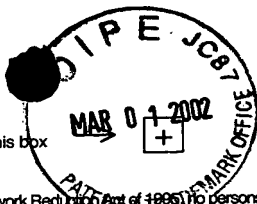
Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E.I. du Pont de Nemours and Company).

Respectfully submitted,

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Encl.

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Sheet 1 of 2

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|------------------------|-----------------------|
| Application Number | 10/019,633 |
| Filing Date | DECEMBER 27, 2001 |
| First Named Inventor | TIMOTHY CASPAR ET AL. |
| Group Art Unit | Unknown |
| Examiner Name | Unknown |
| Attorney Docket Number | BB1386 US PCT |

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|------------------------|--------------------------|---|----------------|
| | | NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 7484807, 05-14-1999, S. D. ROUNSLEY ET AL. | |
| | | EMBL SEQUENCE DATABASE LIBRARY ACCESSION NO: A1731574, 06-12-1999, M. BLEWITT ET AL., ESTS FROM DEVELOPING COTTON FIBER | |
| | | JANE E. DANCER ET AL., PLANT PHYS., VOL. 114:119-129, 1997, ADENOSINE-5'-PHOSPHATE DEAMINASE | |
| | | DAVID K. WILSON ET AL., SCIENCE, VOL. 252:1278-1284, 1991, ATOMIC STRUCTURE OF ADENOSINE DEAMINASE COMPLEXED WITH A TRANSITION-STATE ANALOG: UNDERSTANDING CATALYSIS AND IMMUNODEFICIENCY MUTATIONS | |
| | | RICHARD A. MORGAN ET AL., ANNU. REV. BIOCHEM., VOL. 62:191-217:1993, HUMAN GENE THERAPY | |
| | | M. LOUISE MARKERT ET AL., IMMUNODEFICIENCY, VOL. 5:141-157, 1994, MOLECULAR BASIS OF ADENOSINE DEAMINASE DEFICIENCY | |
| | | NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 644509, 02-08-1995, F. VAN DEN BERGH ET AL., EXON SHUFFLING AT THE 5' END OF THE HUMAN AMPD2 GENE PRODUCES MULTIPLE TRANSCRIPTS ENCODING VARIABLE N-TERMINAL EXTENSIONS OF ISOFORM L | |
| | | NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 351916, 06-20-1996, K. J. LIMBACH ET AL., ISOLATION AND CHARACTERIZATION OF TWO ALLELES OF THE CHICKEN CYTOCHROME C GENE | |
| | | KEITH J. LIMBACH ET AL., NUCL. ACIDS RES., VOL. 11:24:8931-8950, 1983, ISOLATION AND CHARACTERIZATION OF TWO ALLELES OF THE CHICKEN CYTOCHROME C GENE | |
| | | NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4115949, 08-10-1999, A. ABBOTT ET AL., THE SEQUENCE OF A. THALIANA T4B21 | |
| | | NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1703166, 10-16-2001, L. MALLET ET AL., A 43.5 KB SEGMENT OF YEAST CHROMOSOME XIV, WHICH CONTAINS MFA2, ADENOSINE DEAMINASE GENE AND 14 NEW OPEN READING FRAMES | |

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|------------------------|--------------------------|---|----------------|
| | | LAURENT MALLET ET AL., YEAST, VOL. 11:1195-1209, 1995, A 43.5 KB SEGMENT OF YEAST CHROMOSOME XIV, WHICH CONTAINS MFA2, ADENOSINE DEAMINASE GENE AND 14 NEW OPEN READING FRAMES | |
| | | NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2506342, 08-20-2001, Z. Y. CHANG ET AL., DEDUCED AMINO ACID SEQUENCE OF ESCHERICHIA COLI ADENOSINE DEAMINASE REVEALS EVOLUTIONARY CONSERVED AMINO ACID RESIDUES; IMPLICATIONS FOR CATALYTIC FUNCTION | |
| | | ZENGYI CHANG ET AL., BIOCHEMISTRY, VOL. 30:2273-2280, 1991, DEDUCED AMINO ACID SEQUENCE OF ESCHERICHIA COLI ADENOSINE DEAMINASE REVEALS EVOLUTIONARY CONSERVED AMINO ACID RESIDUES; IMPLICATIONS FOR CATALYTIC FUNCTION | |
| | | FREDERICK R. BLATTNER ET AL., SCIENCE, VOL. 277:1453-1462, 1997, THE COMPLETE GENOME SEQUENCE OF ESCHERICHIA COLI K-12 | |
| | | HIROJI AIBA ET AL., DNA RES., VOL. 3:363-377, 1996, A 570-KB DNA SEQUENCE OF THE ESCHERICHIA COLI K-12 GENOME CORRESPONDING TO THE 28.0-40.1 MIN REGION ON THE LINKAGE MAP | |
| | | SHERYL L. MEYER ET AL., BIOCHEMISTRY, VOL. 28:8734-8743, 1989, CHARACTERIZATION OF AMD, THE AMP DEAMINASE GENE IN YEAST. PRODUCTION OF AMD STRAIN, CLONING, NUCLEOTIDE SEQUENCE, AND PROPERTIES OF THE PROTEIN | |
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APPLICATION NO: 10/019,633
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